

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: 11/04/13

Time: 0845

Inspected by: Joro

Non Mechanical Equipment

Cover

Exposed soil Yes / No

Rips/tears Yes / No

Ropes/boards secure Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / No

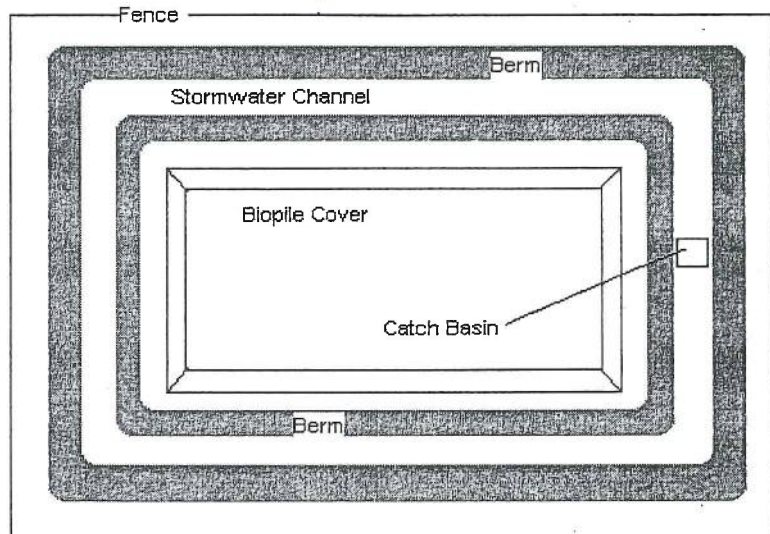
Holes Yes / No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / No

Integrity ok



Non Mechanical Equipment, General Observations: Lixivulade = 11"

Berms

Integrity of toe ok

Integrity of crest ok

Mechanical Equipment

Blower #2 on

Valves ok

Gauges press = 20" H₂O

Temp = 36°C

Sump Pump ok

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: 11/08/13

Time: 0655

Inspected by: E. Barreto

Non Mechanical Equipment

Cover

Exposed soil Yes / No

Rips/tears Yes / No

Ropes/boards secure Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / No

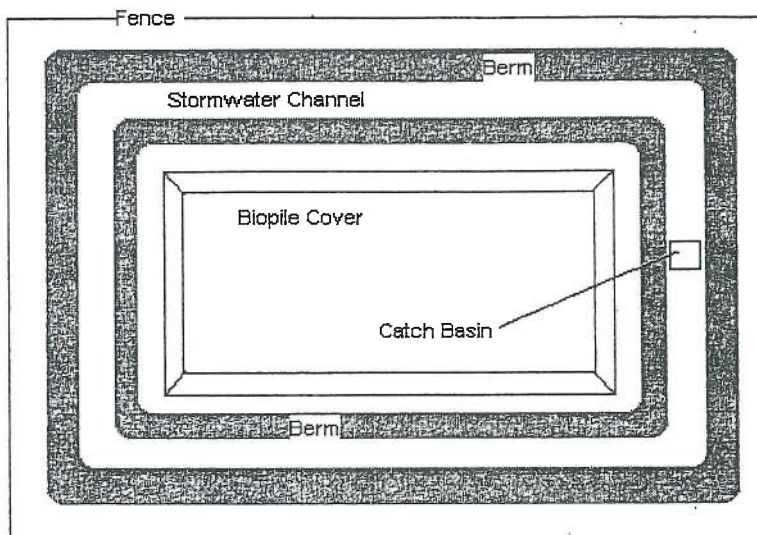
Holes Yes / No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / No

Integrity OK



Non Mechanical Equipment, General Observations:

Lixiviado en 17 1/2" * Se succiona el lixiviado del biopile y se dijo en 1 1/2"

Berms

Integrity of toe OK

Integrity of crest OK

Mechanical Equipment

Blower # 2 ON

Valves OK

Gauges Temperatura: 35°C

Prestion: 18" H₂O

Sump Pump OK

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: 11-11-13

Time: 1300

Inspected by: [Signature]

Non Mechanical Equipment

Cover

Exposed soil Yes / No

Rips/tears Yes / No

Ropes/boards secure Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / No

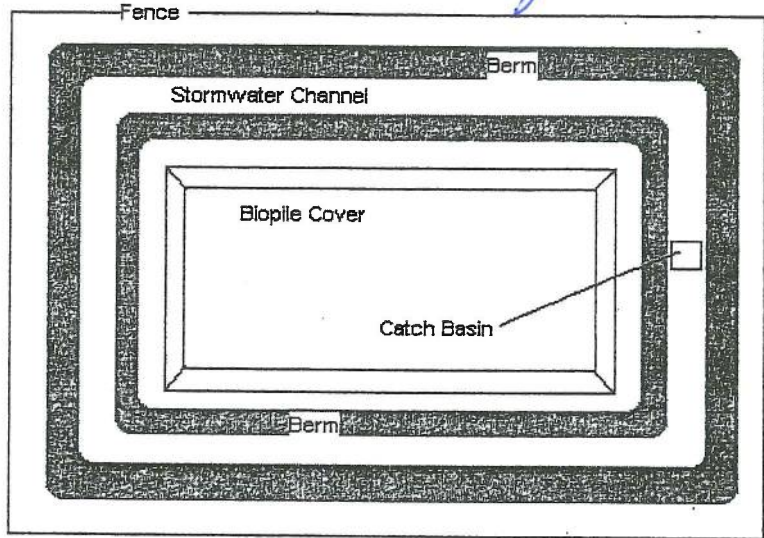
Holes Yes / No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / No

Integrity OK



Non Mechanical Equipment, General Observations: Lixiviado 7 1/2"

Berms

Integrity of toe OK

Integrity of crest OK

Mechanical Equipment

Blower #2

Valves OK

Gauges Temp - 44°C
Pressure - 20" H₂O

Sump Pump OK

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: 11-14-13

Time: 1315

Inspected by: *Andres / J Toro*

Non Mechanical Equipment

Cover

Exposed soil Yes / No

Rips/tears Yes / No

Ropes/boards secure Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / No

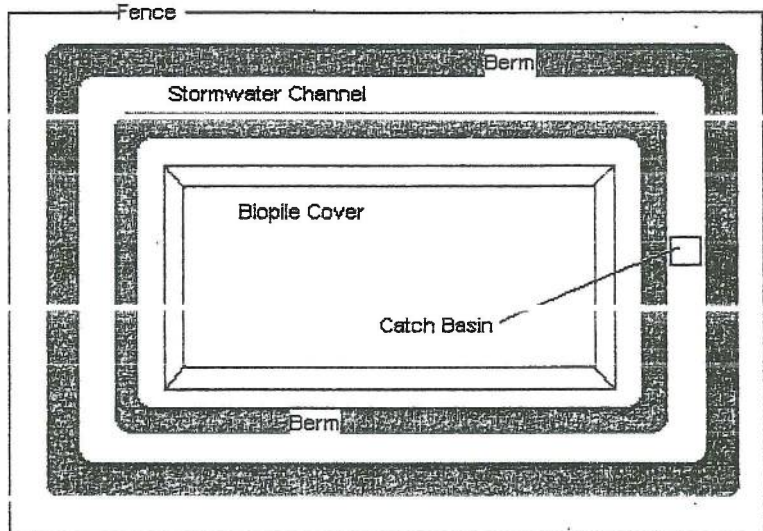
Holes Yes / No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / No

Integrity OK



Non Mechanical Equipment, General Observations: *lixiviado 8 1/2"*

Berms

Integrity of toe OK

Integrity of crest OK

Mechanical Equipment

Blower *#2 se encontro OFF, se dejo en funcion*

Valves OK

Gauges *Temp - 40°C*
Presion - 20" H₂O

Sump Pump OK

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: 11-20-13

Time: 1000

Inspected by: Andy / E. Barrett

Non Mechanical Equipment

Cover

Exposed soil Yes / No

Rips/tears Yes / No

Ropes/boards secure Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / No

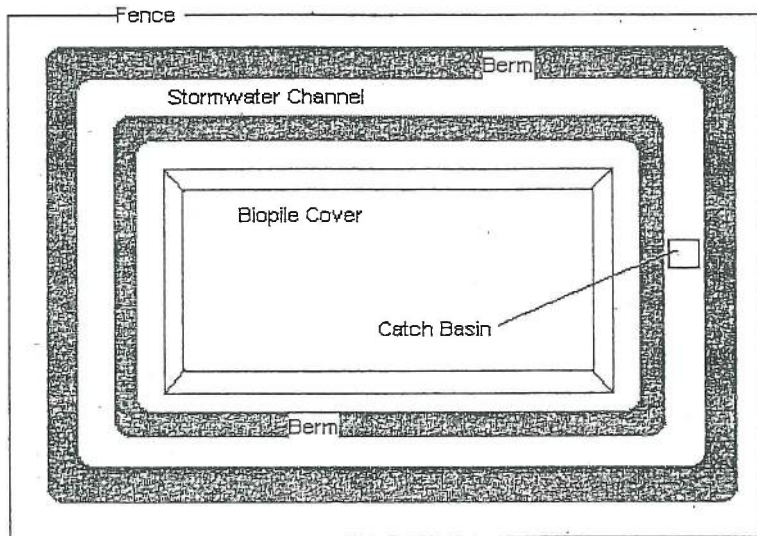
Holes Yes / No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / No

Integrity OK



Non Mechanical Equipment, General Observations: 10" lixiviado

Berms

Integrity of toe OK

Integrity of crest OK

Mechanical Equipment

Blower = 2 OFF, se dejó en función

Valves OK

Gauges Temp - 36°
Presion 20" H₂O

Sump Pump OK

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: 11-22-13

Time: 1300

Inspected by: *Anelq*

Non Mechanical Equipment

Cover

Exposed soil Yes / ☒ No

Rips/tears Yes / ☒ No

Ropes/boards secure ☒ Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / ☒ No

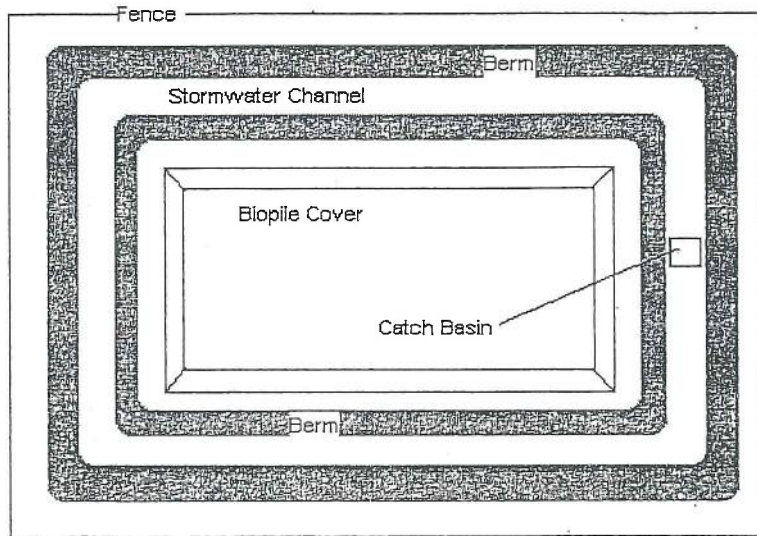
Holes Yes / ☒ No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / ☒ No

Integrity *OK*



Non Mechanical Equipment, General Observations: *Lixiviado 12"*

Berms

Integrity of toe *OK*

Integrity of crest *OK*

Mechanical Equipment

Blower *#2 off, se dejó en función*

Valves *OK*

Gauges *Presión 20" H₂O*
Temp 36°C

Sump Pump *OK*

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: 11/25/13

Time: 1230

Inspected by: J. Torro

Non Mechanical Equipment

Cover

Exposed soil Yes / No

Rips/tears Yes / No

Ropes/boards secure Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / No

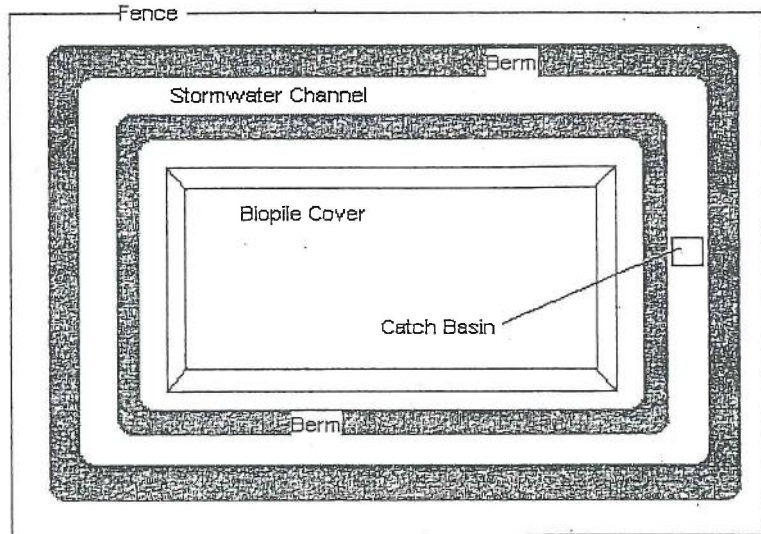
Holes Yes / No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / No

Integrity OK



Non Mechanical Equipment, General Observations: Cracks = 13"

Berms

Integrity of toe OK

Integrity of crest OK

Mechanical Equipment

Blower B #2 ON

Valves OK

Gauges Temp = 40°C
Press = 20" H₂O

Sump Pump OK

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: Nov. 25, 2013

Time: 1:20 PM

Inspected by: David Lindstrand

Non Mechanical Equipment

Cover

Exposed soil Yes / No

Rips/tears Yes / No

Ropes/boards secure Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / No

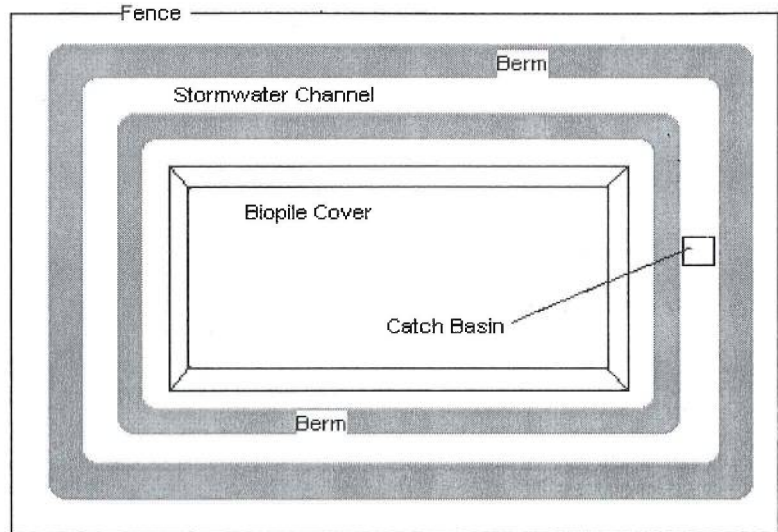
Holes Yes / No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / No

Integrity OK



Non Mechanical Equipment, General Observations:

Leachate level at 14-inches
Performed aeration pipe velocity measurements and
soil gas concentration measurements from soil gas probes

Berms

Integrity of toe OK

Integrity of crest OK

Mechanical Equipment

Blower Blower no. 2 running OK

Valves No change was made to valves

Gauges T1 = 42°C, P1 = 18 in. wc., T2 = 42°C, P2 = 20 in. wc.

Sump Pump OK

Date: Nov. 25, 2013

Sampled by: D. Lindstrand

Date and time blower switched off (if respiration test): Blower No 2 operating

NA = Not analyzed



Bristol-Myers Squibb Company

Global Engineering

Interim Corrective Measure, Building 5 Area Project

Aeration Leg Flow Adjustment Using Dwyer Series 471 Thermo-Anemometer

Date and Time: Nov 25, 2013, 1:40 PM

Valve Tag No.	Velocity Meas. (fpm)	Air Flow (cfm)
BV-1	0	0.0
BV-2	328	7.5
BV-3	0	0.0
BV-4	239	5.5
BV-5	0	0.0
BV-6	365	8.4
BV-7	179	4.1
BV-8	264	6.0
BV-9	725	16.6
BV-10	252	5.8
BV-11	230	5.3
BV-12	359	8.2
BV-13	299	6.8
BV-14	1006	23.0
BV-15	364	8.3
BV-16	621	14.2
BV-17	712	16.3
BV-18	644	14.7
BV-19	467	10.7
BV-20	395	9.0
BV-21	127	2.9
BV-22	315	7.2
BV-23	0	0.0
BV-24	227	5.2
BV-25	0	0.0
BV-26	279	6.4
BV-27	0	0.0

Total air flow (acfm)

192.2

Blower No. 1 Header:

18 in.wc., 42 deg C

Blower No. 2 Header:

20 in.wc., 42 deg C

Notes: No aeration valve adjustments were made
Blower No. 2 Operating

Form 4 - Biopile Visual Inspection Form



Bristol-Myers Squibb Manufacturing Company

Date: 11/27/13

Time: 1015

Inspected by: J. Toro

Non Mechanical Equipment

Cover

Exposed soil Yes / No

Rips/tears Yes / No

Ropes/boards secure Yes / No

if yes to any above indicate on drawing

Fence

Damaged Yes / No

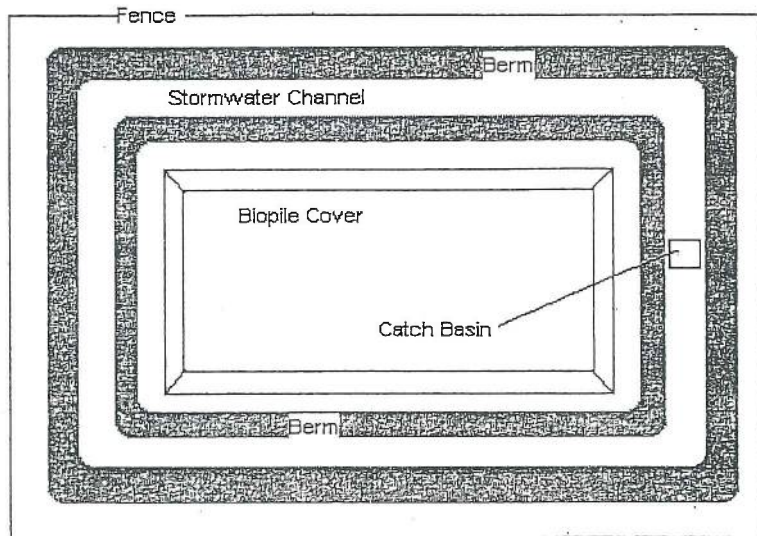
Holes Yes / No

if yes to any above indicate on drawing

Storm water channel

Blockages Yes / No

Integrity OK



Non Mechanical Equipment, General Observations: Lixiviado = 14"

Berms

Integrity of toe OK

Integrity of crest OK

Mechanical Equipment

Blower B#2 on

Valves OK

Gauges Temp = 40°C
Press = 20" H₂O

Sump Pump OK